

1 Slab forms on steel structures shall conform to the requirements of Section 6-
2 02.3(17)G as modified and supplemented in the following:

3
4 All wood forms for the roadway deck shall be removed. Forms for exterior
5 soffits and between box girders shall be removed.

6
7 Permanent metal forms may be used for that portion of the concrete slab inside
8 the steel box girders. Permanent metal forms, if used, shall conform to the
9 following requirements:

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11 Metal shall be 18 gage minimum thickness, zinc coated, steel sheet
12 conforming to ASTM A 446, Grades A through E, with a coating class of G
13 165 in accordance with ASTM A 525. All accessories shall be of structural
14 quality steel with a zinc coating of 600 grams per square meter.

15
16 Forms shall be designed by the Contractor to support the plastic concrete,
17 metal forms, reinforcing steel, and a construction live load of 2875 pascals.
18 Deflection shall not exceed 1/360 of the span. Camber shall not exceed the
19 anticipated deflection. The working unit stress shall not exceed 0.725 of the
20 specified yield strength of the material furnished.

21
22 Forms shall be of a type which will allow placing the deck slab to full Plan
23 depth above the uppermost parts of the form. Bottom transverse
24 reinforcing steel of the deck slab shall be at least 25 millimeters clear of the
25 metal forms at all points. Forms or supports shall not be welded to girder
26 flanges.

27
28 The deck slab shall be placed continuously between the transverse
29 construction joints shown in the Plans. If, because of an emergency, a
30 transverse joint is allowed by the Engineer, it shall occur at the bottom of a
31 flute and 6.25 millimeter weep holes shall be field drilled at 300 millimeter
32 centers along the line of the joint.

33
34 Any zinc coating on exposed form metal damaged during construction shall
35 be repaired in accordance with Section 9-08.2, Formula A-9-73.

36
37 Should the Engineer determine that inspection of the underside of the
38 hardened slab is warranted, the Contractor shall remove at least one
39 section of metal form in each span at no extra cost to the State. If
40 excessive honeycomb or other defects are found, the Contractor shall, if
41 required by the Engineer, remove additional form sections at the
42 Contractor's expense and shall revise concrete placing methods as required
43 to produce sound concrete. All unacceptable concrete shall be removed or
44 repaired as directed by the Engineer.

45
46 The Contractor shall submit working drawings to the Engineer for approval
47 of permanent metal forms, complete with layout, details, and a description
48 of materials in accordance with the Standard Specifications.

49
50 No direct payment will be made for permanent metal forms and the cost
51 thereof shall be included in the lump sum contract price for "Roadway
52 Deck".

53
54 No payment will be made for additional concrete required because of the
55 use of permanent forms.